



IRWIN

*Data at
dispatch
speed.*

As Of March 31, 2015

Jaymee Fojtik, Project Manager
Roshelle Pederson, Business Lead

IRWIN

- Data Exchange Capability designed to:
 - Decrease or eliminate redundant data entry
 - Provide Authoritative Operational Data
 - Improve data consistency and availability
- IRWIN is not a monolithic data base
- IRWIN is not intended to replace any existing application

2014 Applications

- WildCAD 6.0
- Integrated Fire Management (IFM – St of AK)
- FireCode
- Wildland Fire Decision Support System (WFDSS)
- ICS209
- EGP (Read only)
- Remote Sensing Application Center (RSAC)
(Read only)

2015 New Applications

- Read/Write
 - FireBeans - AK Fire Service CAD
 - Dispatch Tracker - TX FS CAD
- Read Only
 - ROSS (Header Data from records created in CAD)
 - e-ISuite
 - Fire Management Information Tool (FMIT)
 - GeoMac
 - CalFire Governor's Report (ICS209 data)

New Applications Proposed for 2016

- Final Fire Reporting Systems
 - FireStat (USDA FS)
 - FMIS (FWS)
 - WFMI (BIA, BLM, NPS, BOR)
 - National Assoc. of State Foresters (NASF)
 - National Fire Incident Reporting System (NFIRS)
- Automated Flight Following (AFF)
- IQS/IQCS – Incident Qualifications
- Continued development of IRWIN Observer and other tools

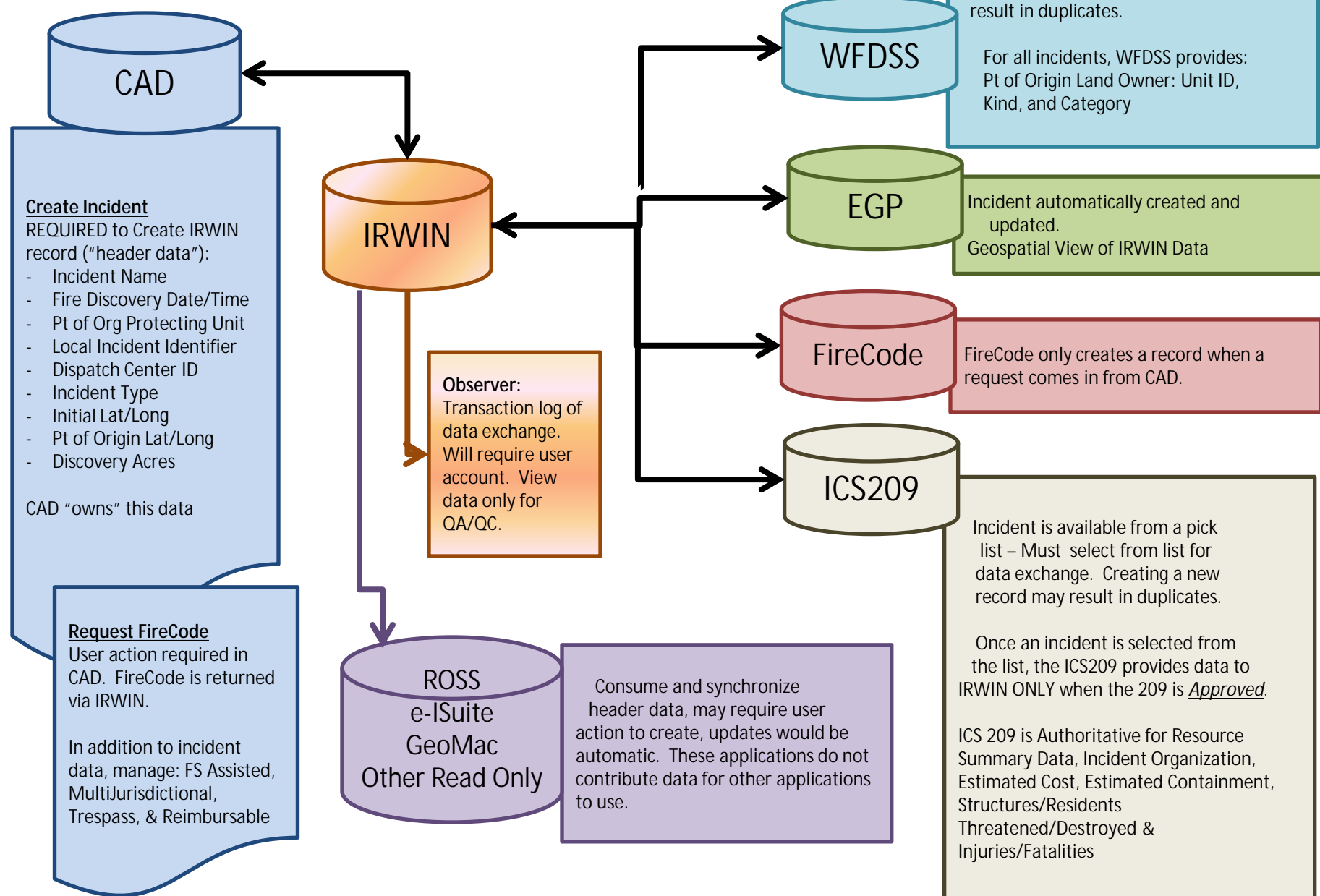
Status

- Integration Testing
 - Jan 13-15
 - Jan 26
 - Multiple tests between partner applications
- Field Testing – Feb/Mar
 - SWCC – Tucson, Phoenix, Prescott,
 - SACC - TX FS EOC, TICC
 - NRCC – Grangeville, Missoula, Plains, Helena
 - NWCC - Portland
 - AICC - Fairbanks
- Version 2 Release: April 1, 2015
 - Partner systems have two weeks to transition

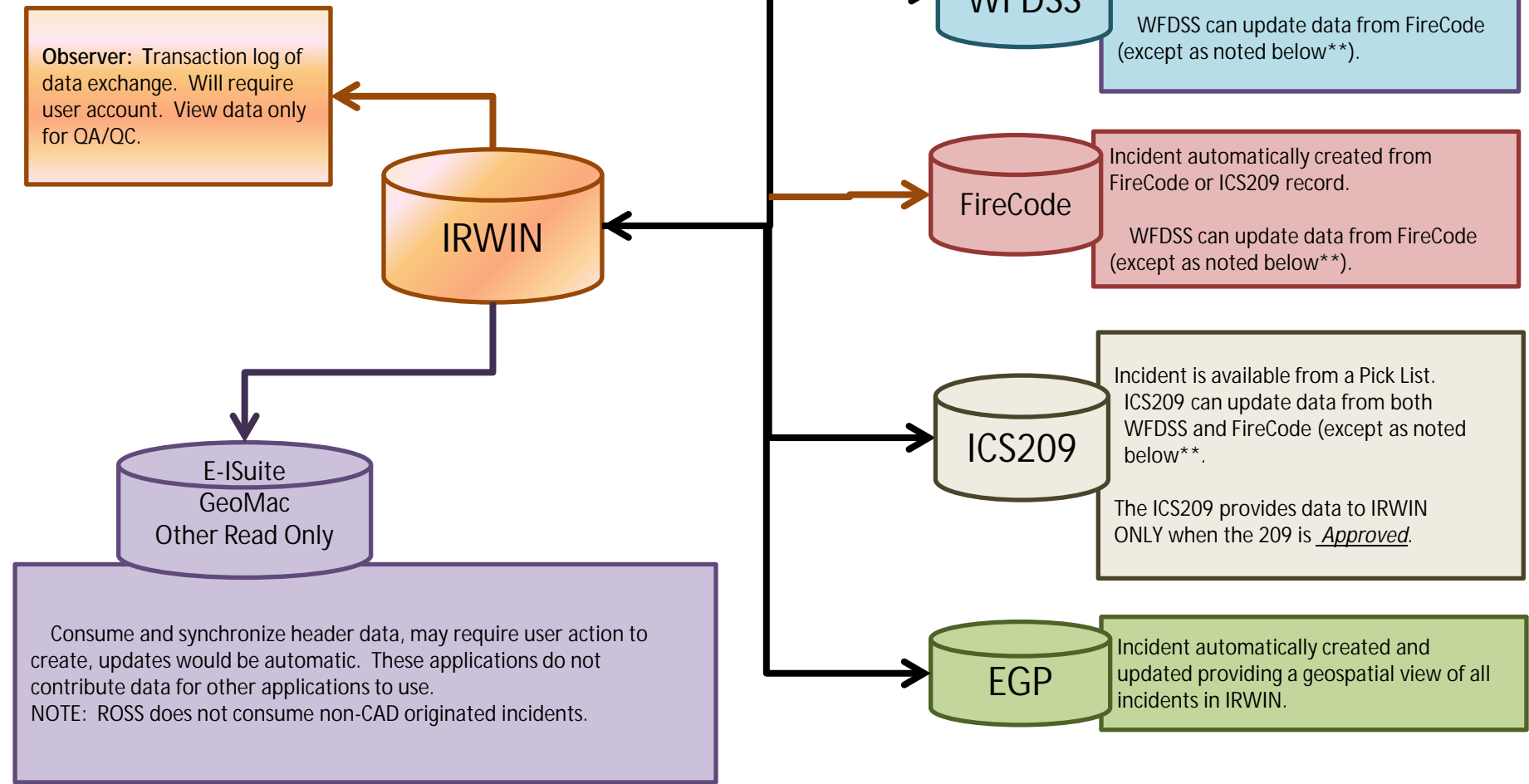
Updates for 2015

- **IRWIN will not accept duplicate Unique Fire Identifiers**
 - Unique Fire Identifiers are created by concatenating the year from the Discovery Date, the “Responsible” Unit ID and the Local Incident Identifier (Fire Number)
- **IRWIN will log the use of invalid Unit IDs this year**
 - Next year we anticipate a hard validation
- **IRWIN Observer will be available by the end of April**
- **FireCode is functioning well in testing**
 - Conflict Detection and Resolution working
 - Can create a FireCode record from existing IRWIN records – no more forced duplicates
 - Updates in FireCode being sent to IRWIN
 - No multiple FireCodes sent to CADs

With WildCAD 6.0, IFM, FireBeans or Dispatch Tracker



Without WildCAD 6.0 or other CAD




Where a CAD is not in use or not exchanging data with IRWIN, users need to be especially attentive to potential duplicate messages presented by the application they are using.

IRWIN Observer provides a tool for researching issues in the data but corrections must be made in the authoritative data source.

Tips for navigating data exchange

– IRWIN IDs are available in the Observer

- Click on the  “ticket” icon and the IRWIN ID is automatically copied to your clipboard.

– Get a FireCode for an existing incident

- If an incident is created in the 209 or WFDSS and now you need a FireCode, get the IRWIN ID from Observer.
- At the top of the first screen in FireCode, there is an option to create a FireCode for an existing IRWIN incident.
- Click the link and paste the IRWIN ID.
- The FireCode record will be created and all the other applications will be updated with the FireCode.

Authoritative Data Source by Data Element

Color in Cell: Application has this data element

R: Application can ONLY READ the data element

1-4: Permission Hierarchy – A value implies create and update access. The “lower” the number, the “higher” the priority. (Example: WildCAD is MOST

authoritative for Incident Name).

Red: IRWIN provides / derives

Blue: WFDSS provides

CAD Req	Req	IRWIN Table ID	IRWIN Data Element	CAD Wildcad	CAD IFM	CAD Dispatch Tracker	CAD Fire Beans	ICS209	WFDSS	Fire Code
		INCIDENT	IrwinID	R	R	R	R	R	R	R
		INCIDENT	UniqueFireIdentifier	R	R	R	R	R	R	R
x	x	INCIDENT	FireDiscoveryDateTime	1	1	1	1	2	2	4
x	x	INCIDENT	POOProtectingUnit	1	1	1	1	2	2	4
x	x	INCIDENT	LocalIncidentIdentifier	1	1	1	1	2	2	4
x		INCIDENT	DispatchCenterID	1	1	1	1	R	R	R
x	x	INCIDENT	IncidentName	1	1	1	1	2	2	4
x		INCIDENT	FireCause	1	1	1	1	2	2	R
x	x	INCIDENT	IncidentTypeKind	1	1	1	1	2	2	4
x	x	INCIDENT	IncidentTypeCategory	1	1	1	1	2	2	4
x		INCIDENT	InitialLatitude	1	1	1	1	R	R	R
x		INCIDENT	InitialLongitude	1	1	1	1	R	R	R
x		INCIDENT	DiscoveryAcres	1	1	1	1	R	3	R
x	x	INCIDENT	POOLatitude	1	1	1	1	2	2	4
x	x	INCIDENT	POOLongitude	1	1	1	1	2	2	4
		INCIDENT	GACC	R	R	R	R	R	R	R
		INCIDENT	POOJurisdictionalUnit	R	1	1	1	3	2	R
		INCIDENT	POOIncidentJurisdictionalAgency	1	1	1	1	R	R	R
		INCIDENT	POOState	R	R	R	R	R	R	R
		INCIDENT	POOCounty	R	R	R	R	R	R	R
		INCIDENT	POOFips	R	R	R	R	R	R	R
		INCIDENT	POOLandownerKind	R	1	R	1	3	2	4
		INCIDENT	POOLandownerCategory	R	1	R	1	R	2	4
		INCIDENT	InitialResponseAcres	1	1	R	1	R	R	R
		INCIDENT	InitialFireStrategy	1	1	R	1	2	R	R

Authoritative Data Source by Data Element (pg. 2)

CAD Req	Req	IRWIN Table ID	IRWIN Data Element	CAD Wildcad	CAD IFM	CAD Dispatch Tracker	CAD Fire Beans	ICS209	WFDSS	Fire Code
x	x	INCIDENT	FirecodeRequested	1	1	1	1	R	R	1
		INCIDENT	FireCode	1	1	1	1	R	R	1
		INCIDENT	ABCDMisc	1	1	1	1	R	R	R
		INCIDENT	FSJobCode	1	R	1	R	R	R	R
		INCIDENT	FSOverrideCode	1	R	1	R	R	R	R
		INCIDENT	IsComplex	1	1	R	1	1	R	1
		INCIDENT	ComplexParentIrwinID	1	1	R	1	1	R	1
		INCIDENT	IsFSAssisted	1	1	1	1	R	R	1
		INCIDENT	IsMultiJurisdictional	1	R	1	1	R	R	1
		INCIDENT	IsTrespass	1	R	1	1	R	R	1
		INCIDENT	IsReimbursable	1	1	1	1	R	R	1
		INCIDENT	DailyAcres	1	2	1	1	2	2	R
		INCIDENT	CalculatedAcres	R	R	R	R	R	3	R
		INCIDENT	TotalIncidentPersonnel	R	2	R	1	2	R	R
		INCIDENT	FireMgmtComplexity	R	2	1	1	2	R	R
		INCIDENT	IncidentCommanderName	1	2	1	1	2	R	R
		INCIDENT	IncidentManagementOrganization	R	R	R	R	2	R	R
		INCIDENT	Fatalities	R	R	1	R	2	R	R
		INCIDENT	Injuries	R	R	1	R	2	R	R
		INCIDENT	ResidencesDestroyed	R	2	1	1	2	R	R
		INCIDENT	ResidencesThreatened	R	2	1	1	2	R	R
		INCIDENT	OtherStructuresDestroyed	R	2	1	R	2	R	R
		INCIDENT	OtherStructuresThreatened	R	2	1	R	2	R	R
		INCIDENT	EstimatedCostToDate	R	R	R	1	2	R	R
		INCIDENT	EstimatedContainmentDate	R	R	1	R	2	R	R
		INCIDENT	PercentContained	R	R	1	R	2	R	R
		INCIDENT	PercentPerimeterToBeContained	R	R	R	R	2	R	R
		INCIDENT	IncidentShortDescription	R	R	R	R	2	R	R
		INCIDENT	SignificantEvents	R	R	R	R	2	R	R
		INCIDENT	POOPrimaryFuelModel	R	R	R	R	2	R	R
		INCIDENT	WeatherConcerns	R	R	R	R	2	R	R
		INCIDENT	ProjectedIncidentActivity	R	R	R	R	2	R	R
		INCIDENT	PlannedActions	R	R	R	R	2	R	R
		INCIDENT	ICS209Remarks	R	R	R	R	2	R	R
		INCIDENT	ICS209ReportForTimePeriodFrom	R	R	R	R	2	R	R
		INCIDENT	ICS209ReportForTimePeriodTo	R	R	R	R	2	R	R

Authoritative Data Source by Data Element (pg. 3)

CAD Req	Req	IRWIN Table ID	IRWIN Data Element	CAD Wildcad	CAD IFM	CAD Dispatch Tracker	CAD Fire Beans	ICS209	WFDSS	Fire Code
		INCIDENT	POOCity	R	R	R	R	2	R	R
		INCIDENT	POOLegalDescQtrQtr	R	R	R	R	2	R	R
		INCIDENT	POOLegalDescQtrQtr	R	R	R	R	2	R	R
		INCIDENT	POOLegalDescRange	R	R	R	R	2	R	R
		INCIDENT	POOLegalDescSection	R	R	R	R	2	R	R
		INCIDENT	POOLegalDescTownship	R	R	R	R	2	R	R
		INCIDENT	POOLegalDescPrincipalMeridian	R	R	R	R	2	R	R
		INCIDENT	ICS209ReportDateTime	R	R	R	R	2	R	R
		INCIDENT	ICS209ReportStatus	R	R	R	R	2	R	R
		INCIDENT	ContainmentDateTime	1	1	1	1	3	2	R
		INCIDENT	ControlDateTime	1	1	1	1	3	2	R
		INCIDENT	FireOutDateTime	1	1	1	1	R	3	R
		INCIDENT	FinalAcres	1	1	1	1	2	R	R
		INCIDENT	InConflict	1	1	1	1	R	R	R
		INCIDENT	ConflictParentIrwinID	1	1	1	1	R	R	R
		INCIDENT	IsActive	1	1	1	1	2	2	4
		INCIDENT	ADSPermissionState	1	1	1	1	R	R	R
		INCIDENT	UnitIDValidation	R	R	R	R	R	R	R
		INCIDENT	RecordSource	R	R	R	R	R	R	R
		INCIDENT	CreatedBySystem	R	R	R	R	R	R	R
		INCIDENT	CreatedOnDateTime	R	R	R	R	R	R	R
		INCIDENT	ModifiedBySystem	R	R	R	R	R	R	R
		INCIDENT	ModifiedOnDateTime	R	R	R	R	R	R	R

Points of Contact for applications exchanging data via IRWIN

As of March 31, 2015

Application	POC Role	Name	E-mail	Phone
IRWIN	IRWIN Business Lead	Roshelle Pederson	Kimber_Pederson@ios.doi.gov	208-334-6190
WildCAD	WildCAD Business Lead	Chuck Wamack	Chuck_Wamack@blm.gov	208-387-5400
IFM	IFM IRWIN Lead	Gabriella Branson	gabriella.branson@alaska.gov	907-356-5671
FireBeans	AICC Manager	Ray Crowe	r5crowe@blm.gov	907-356-5677
Dispatch Tracker	EOC Coordinator	Don Hannemann	dhannemann@tfs.tamu.edu	979-458-7367
FireCode	FS Business Lead	Laura Barrett	lbarrett@fs.fed.us	208-387-5914
FireCode	DOI Business Lead	David Burley	dburley@blm.gov	208-387-5420
WFDSS	WFDSS Data Manager	Andrew Bailey	Andrew_Bailey@nps.gov	208-387-5248
ICS209	ICS209 IRWIN co-lead	Kara Stringer	kstringer@fs.fed.us	801-531-5320
ICS209	ICS209 IRWIN co-lead	Gabriella Branson	gabriella.branson@alaska.gov	907-356-5671
EGP	Project Lead (acting)	Andrew Bailey	Andrew_Bailey@nps.gov	208-387-5284

Points of Contact for applications exchanging data via IRWIN (pg. 2)

As of March 31, 2015

Application	POC Role	Name	E-mail	Phone
ROSS	ROSS Business Lead	Susie Stingley	ssingley@fs.fed.us	208-387-5400
ROSS	ROSS Business Lead Alternate	Bill Fletcher	wfletche@blm.gov	208-387-5400
e-ISuite	e-ISuite Technical Lead	Donna Tate	dtate@fs.fed.us	530-559-1100
GeoMac	GIS Specialist	Jodi Riegle	jlrriegle@usgs.gov	303-236-1415

IRWIN Project Contacts and Information

– Contacts

Roshelle Pederson
IRWIN Business Lead
Kimber_Pederson@ios.doi.gov
208-407-6685

Jaymee Fojtik
IRWIN Project Manager
Jaymee_Fojtik@ios.doi.gov
208-334-6191

— Additional IRWIN Information

IRWIN Website - <http://www.forestsandrangelands.gov/WFIT/applications/IRWIN>

“IRWIN Project” Wildland Fire Lessons Learned Site - <http://www.wildfirelessons.net/communities>